26. A signal receiving apparatus according to claim 25, wherein the digital modulation signal is an n-level VSB modulation signal.

27. A signal receiving method comprising:

receiving a transmission signal containing a digital modulation signal and an analog modulation signal and selecting the digital modulation signal using a local oscillation signal;

detecting interference caused by the analog modulation signal from the selected digital modulation signal;

removing a carrier of the analog modulation signal in a same frequency band as a frequency band of the digital modulation signal when the interference is detected and passing the digital modulation signal without removing a carrier of the analog modulation signal in a same frequency band as a frequency band of the digital modulation signal when the interference is not detected.

28. A signal receiving method according to claim 27, wherein the digital modulation signal is an n-level VSB modulation signal.--